

AGENDA



The Joint 8th APEC Coal Flow Seminar and the 9th APEC Clean Fossil Energy Technical Seminar

***Kuala Lumpur, Malaysia : Monday 4 and Tuesday 5 March 2002
Hotel Istana***

Monday 4 March

8.00 Registration

OPENING SESSION

*Chair: Mr Scott M Smouse, Senior Management and Technical Advisor
National Energy Technology Laboratory
Department of Energy (DOE), USA*

9.00 **Introduction**

*Mr Scott M Smouse, Senior Management and Technical Advisor
National Energy Technology Laboratory
Department of Energy (DOE), USA*

9.15 **Official Welcome & Keynote Address:**

Malaysian Coal Resources: Opportunities and Challenges

*The Honourable Datuk Amar Leo Moggie, Minister
Ministry of Energy, Communications and Multimedia (MECM), Malaysia*

9.35 **Official Welcome: Australia/Japan/USA**

*Australia: HE Peter Varghese
Australian High Commissioner to
Malaysia*

*Japan: Mr Hiroshi Hirota
Deputy Director-General
Agency of Natural Resources and Energy (ANRE)
Ministry of Economy, Trade and Industry (METI), Japan*

*USA: Mr Scott M Smouse, Senior Management and Technical Advisor
National Energy Technology Laboratory
Department of Energy (DOE), USA*

10.00 Coffee break



COAL FLOW

SESSION 1: PACIFIC COAL FLOW AND ENERGY SECURITY

*Chair: Mr Scott M Smouse, Senior Management and Technical Advisor
National Energy Technology Laboratory
Department of Energy (DOE), USA*

- 10.30 **The Current Situation of Energy Supply and Demand in Japan**
*Mr Kazuo Sugiyama, Chairman
The Japanese Committee for Pacific Coal Flow (JAPAC); and Former President
Electric Power Development Co., Ltd. (EPDC) Japan*
- 11.00 **The World Coal Market: Prospects to 2010**
*Ms Jane Melanie, Senior Economist
International Energy Program
Australian Bureau of Agricultural and Resource Economics (ABARE), Australia*
- 11.30 **Coal Demand and Supply Outlook**
*Mr Bai Ran, Director General
Department of International Cooperation
China National Coal Association, PR China*
- 12.00 Lunch

SESSION 2: COAL IN OPTIMUM ENERGY MIX (SECURITY AND ENVIRONMENT)

*Chair: Mr John Karas, Manager, Coal Industries Section
Department of Industry, Tourism and Resources (ITR), Australia*

- 1.30 **New Role for Coal and CCTs in Energy Security in APEC**
*Dr Charles Johnson, Energy Consultant
Asian Energy Strategies, USA*
- 2.00 **Power Industries in Korea**
*Dr Chang-Seob Kim, Chief of Climate Change Policy Team
Korea Energy Management Corporation, Korea*
- 2.30 **Energy Development Plans**
*Mr Shih-Ming Chuang, Division Manager, Energy Commission
Ministry of Economic Affairs (MOEA), Chinese Taipei*
- 3.00 Coffee break



SESSION 3: COAL AND GLOBAL ENVIRONMENT

*Chair: Dr Frank M Mourits, Manager, Climate Change Technologies Initiative
Office of Energy Research and Development, Natural Resources Canada*

3.30 Impact of Kyoto Mechanism on Coal

*Dr Yoshiki Ogawa, General Manager
The Second Department of Research
The Institute of Energy Economics, Japan*

4.00 Coal in Sustainable Society

*Dr Louis Wibberley, Manager Environment & Sustainability
BHP Billiton, Australia*

4.30 CO₂ Emission and CDM Projects

*Ms Lucila Q Maralit, OIC-Assistant Director
Energy Resource Development Bureau
Department of Energy (DOE), Philippines*

5.00 to

5.05 **Closing remarks**

8.00 to 10.30 : Dinner Reception hosted by Malaysia and Japan

(Dress code: Smart Casual)

Tuesday 5 March

8.00 Registration

9.00 Opening Remarks

*Mr Hiroshi Yoshida, Executive Director
New Energy and Industrial Technology Development Organization (NEDO), Japan*

SESSION 4: THE ROLE OF COAL IN SOUTH EAST ASIA

*Chair: Haji Abdul Hadi, Vice President Generation
Tenaga Nasional Berhad, Malaysia*

9.10 Export and Domestic Use

*Dr Boni Siahaan, Deputy Assistant for Mining and Energy Business
Ministry of State Owned Enterprises
Indonesia*

9.45 Coal and Natural Gas in the Future

*Mr Tran Van My, Deputy Manager General
Division for International Cooperation & Development Project
Institute of Mining Science and Technology (IMSAT), VINACOAL Vietnam*



10.00 **Move from Gas to Coal: Energy Security Issues**
Ms Yap Siew Hong, Director of Energy Section
Economic Planning Unit (EPU), Malaysia

10.15 Coffee break

COAL TECHNOLOGY

SESSION 5: ENVIRONMENTAL TECHNOLOGIES IN COAL-FIRED POWER PLANT

Chair: Dr Boni Siahaan, Deputy Assistant for Mining and Energy Business
Ministry of State Owned Enterprises
Indonesia

10.45 **Pollution (SO_x, NO_x, Particles) Treatment**
Mr Shigehito Takamoto, General Manager
Environmental Research Department, Kure Research Laboratory
Babcock-Hitachi K.K, Japan

11.10 **Trends in Coal Combustion Products (CCP) Utilization in North America**
Mr Jim MacLean, President
Dominion Ash, Canada

11.35 **Clean Coal in a Competitive Electricity Market**
Mr Lindsay Juniper, Managing Director
Ultra-Systems Technology, Australia

12.00 Lunch

SESSION 6: PRESENT SITUATION AND TREND OF HIGH EFFICIENCY COAL COMBUSTION TECHNOLOGIES

Chair: Mr Hiroaki Ichinose, Deputy Director
Coal Industry Division, ANRE, Ministry of Economy, Trade and Industry (METI)
Japan

1.30 **Feasibility of New Coal Fueled Power Plants in the US**
Ms Natalie Rolph, Chief Economist
Black & Veatch - Energy Services Group, USA

1.55 **IGFC (Eagle Project)**
Mr Eiki Suzuki, Assistant Manager, Coal Gasification Group
Wakamatsu Coal Utilization Research Center
Electric Power Development Co., Ltd. (EPDC) Japan



- 2.20 **Supercritical PF**
 Dr Zhao Zongrang, Senior Engineer
 Thermal Power Research Institute, PR China
 (paper jointly authored by: Mr Li Guanghua, Director of Section
 State Power Corporation of China, PR China)

- 2.45 Coffee break

SESSION 7: EMERGING TECHNOLOGIES TO REDUCING GHG EMISSIONS

Chair: Dr Sung-Chul Shin, Senior Advisor
Korea Institute of Energy Research (KIER) Korea

- 3.15 **Techno-economic Assessments by the Zero Emission Coal Alliance**
 Dr Frank M Mourits, Manager, Climate Change Technologies Initiative
 Office of Energy Research and Development
 Natural Resources Canada
- 3.35 **Clean Coal Technology Initiative**
 Mr Scott M Smouse, Senior Management and Technical Advisor
 National Energy Technology Laboratory
 Department of Energy (DOE), USA
- 4.00 **Demo Plant of CO² Separation and Conversion**
 Dr Jae-Goo Shim, Senior Member of Technical Staff, KEPRI
 Korea Electric Power Corporation (KEPCO) Korea

SESSION 8: SUMMARIES

Chair: Dr Charles Johnson, Energy Consultant
Asian Energy Strategies, USA

- 4.30 **Session Chairs – Summaries**
- 5.30 **Coal Flow and Technical Closing Sessions**
 Mr Scott M Smouse, Senior Management and Technical Advisor
 National Energy Technology Laboratory
 Department of Energy (DOE), USA